formed of the amount of the various competitors, and there you will perceive I am the lowest but one; and, at the time the tenders were opened, there was some little hesitation on the minds of the committee whether Mr. Hawtrey would engage in a work of such magnitude. Consequently, I was called in before the committee, when they inquired of me if I had ever built a workhouse; my reply was no. They again inquired if I was prepared to give security to the amount specified by the specification, or a further sum if necessary; my reply was yes. They then asked me if I had sufficient plant to carry out such a work; I answered in the affirmative. This ended the business of the day.

I was summoned the following day to name my securities for the increased amount, which I did, by two letters, written in the handwriting of gentlemen expressing their willingness to become security to the amount required.

I also inclosed a testimonial from an architect for whom I have executed work nearly to the amount of one hundred thousand pounds.

After all this the only reply I have is, that Messrs. Curtis's tender is accepted, the amount being 3,609*l.* more than mine.

I am, Sir, your most obedient,
JOHN GLENN.

Liverpool-road, Islington.

MEETINGS OF SCIENTIFIC BODIES

Held during the ensuing week.

TUESDAY, APRIL 11.—Institution of Civil Engineers, 8 P.M.

WEDNESDAY, 12.—Graphic Society, 7 P.M.

THURSDAY, 13.—Royal Society, 8½ P.M.; Society of Antiquaries, 8 P.M.; Architectural Association.

FRIDAY, 14.—Archæological Association, 8½ P.M.

TO CORRESPONDENTS.

"*E. J. C.*"—The book has not reached us.

"*G. C.*"—Bartholomew's "Specifications." (Williams, Strand.)

"*J. H.*" shall hear from us. THE BUILDER may be obtained in Liverpool of Willmer and Smith, who receive a weekly parcel.

"*T. L. D.*"—We will wait.

"*Competitor.*"—The medal of Society of Arts is not yet awarded.

"*Frequent Reader.*"—The Dean in each case.

"*N. A. R.*"—We cannot advise.

Received.—"J. J. M.," "J. J. S.," (too late), "J. L. H." "S.," (shall appear), "G. S. D.," "An Ardent Student," "W. R." "Constant Subscriber," "C. B. R." "R. W." (Pamela Work), "S. B." "R. R." (in transactions of Civil Engineers), "H. K. R." "D. P." "O. G. S. (thanks), "C. N."

ADVERTISEMENTS.

NOTICE.—ROYAL POLYTECHNIC INSTITUTION, incorporated by Royal Charter.

ARTISTS and MANUFACTURERS of the CRYSTAL and ORNAMENTAL ARTS, and PATENTEES of NEW INVENTIONS, especially of WORKING MODELS, are respectfully informed that their Works should be forwarded to the Institution for INSPECTION IMMEDIATELY, or they will not be in time for the New Edition of the Catalogue.

The INSTITUTION will be REOPENED to the Public on the 20th instant. R. J. LONGBOTTOM, Secretary.

ELDRED'S ART EXPOSITION,
FOR THE PROMOTION OF
ARTS, MANUFACTURES, &c.
Under the Distinguished Patronage of
HER MAJESTY THE QUEEN and H.R.H. PRINCE ALBERT.

The Works in PORCELAIN, STATUARY, PARIAN, CHINA, &c., now on view at the SOCIETY OF ARTS, John-street, Adelphi, may be had at this Establishment.

*** Tickets of Admission to this Exhibition Gratis.

London: H. ELDRED, Printseller and Publisher to her Majesty and the Royal Family.
(ADJOINING THE CLARENDON).

J. MASON begs to call the attention of the Nobility and Gentry to his superior Collection of Terrace Vases, Garden and Pleasure Ground Vases, Flower Pots, Fountains, &c. &c. Also Architects, Surveyors, and Builders to a great variety of Perforated Ornaments, for Parapets, Balconies, Terraces, and Garden Walls. Capitals, Friezes, Consoles, Chimney Shafts, and other Ornaments, &c. Coats of Arms finished in a superior manner, all at half the usual price.—23, Providence row, Finsbury-square, from Albion Wharf, Blackfriars-bridge.

BY BRITISH AND FOREIGN LETTERS PATENT.

STONE, CHALK, PLASTER, SAND, &c.
TO CAPITALISTS.—Valuable Investment.—The produce of soft stone, or chalk quarries, &c., are indurated and rendered impervious to atmospheric action, so as to supersede other materials, in quality, durability, and cheapness, for all building, paving, hydraulic, masonry, metal, and decorative purposes. Engineers, architects, sculptors, &c., are earnestly invited to inspect various specimens.—Further particulars are offered to bona fide parties, on their application to Messrs. HUTCHINS, WILLIAMS, and Co., the Patentees, Rent Temple Chambers, Wellington, Fleet-street.

By Her Majesty's Royal Letters Patent.

BAILLIE'S PATENT ROUNDED RIM LOCKS.
WITH SHORT AND SECURE FIXINGS.

THIS CHEAP and USEFUL ARTICLE obviating the unsightly appearance and insecurity of the common rim lock, can be obtained from the Manufacturers, Messrs. FARPENTIER and TILDESLEY, Willenhall; or from the sole Agents, Mr. JOHN PADELEWEN, Ironmonger to H.R.H. Martin's-le-Grand, London, opposite the new Money-Order Office.

WEST of LONDON and WESTMINSTER CEMETERY, Old Brompton and Fulham road, 3 miles only from Piccadilly. Consecrated by the Bishop of London in 1840. The public are invited to inspect the Cemetery, which is open daily, for interments from Eight o'clock in the morning until sunset. Tables of charges, and other particulars, may be obtained at the office, 124, Piccadilly.

A portion of the ground is unconsecrated.
JOHN H. RUDDICK, Secretary.

BRICKS.—Superior White Facing Bricks, and Hard Brindled colour Paviors, for Flushing, &c. &c., may be had on W. and R. WRIGHTS', Brick and Tile-works, Hanwell, Middlesex.

The above works adjoin the Grand Junction Canal and Great Western Railroad, from whence goods can be sent to town and all parts of the country, at a trifling expense. Moulded Bricks and Tiles made to order on liberal terms.

TO BUILDERS, ENGINEERS, FOUNDERS, &c.

WARD and HART, Honduras Wharf, Bankside, London, MANUFACTURERS and EXPORTERS of all kinds of Fire Bricks, Lumps, Tiles, Clays, &c. &c., have got an extensive and superior stock, and invite Builders, Gas Companies, Engineers, Shippers, &c., to inspect it and purchase. Goods may be had from Ships in the Rivers, in most quantities at a great saving. A very large arrival of best-rate Stourbridge, Welsh, and Newcastle Bricks, and Patent Corrugated Silica Tiles, so admirably adapted for Malting, &c. &c. Scotch Bricks, Dutch Clinkers, Windsor and other Oven Tiles and Bricks; FOUNDERS' LOAM and MOULDING SAND, HOUSE SAND, RED AND WHITE, Lump River Sand, Ballast, Cement Gauging Pan, Hods, Bilder, and Paving Tiles; Chimney pots, Drain Tiles, Pipes, &c. Goods made to pattern.

*** A quantity of Welsh Bricks now in the River

WILKINSON'S Improved SEWERS are guaranteed to be more durable than the hardest burnt bricks, quite smooth inside; can be supplied in lengths of 10 or 14 feet, either complete or the bottoms only. House Drains are made with loose cover, to any shape or size. Further particulars may be had on application to W. R. WILKINSON, Pipe-house-street, Newcastle-on-Tyne.

LAMBERT'S PATENT FLEXIBLE DIAPHRAGM WATER VALVES or TAPS.—A certain preservation of leakage, superseding the use of the metal ping tap which is so often out of order. They are nearly durable, less expensive, and being nearly friction-less are opened and closed with perfect ease. They have been tested under various pressures, and have given the greatest satisfaction.—Manufactured only by the Patentees, THOMAS LAMBERT and SON, Brass and Cock Founders, 20, New Cut, Blackfriars-road.

SANITARY IMPROVEMENTS.
BUNNETT'S
PATENT SELF-ACTING EFFLUVIA TRAP
For Sewers and Drains of all kinds
Registered January 8th, 1851.

A cheap, durable, and most effectual means of preventing the escape of sewer-gas.—It is entirely self-acting and self-cleansing, can not get out of order, and may be readily applied in all situations without altering the present pradages.

The above is a most important improvement on all contrivances of the kind, and is manufactured in various sizes to suit all purposes, specimens of which may be seen, and also worn for models, at the Office of Messrs. BUNNETT and COOPER, Engineers, 18, Lombard street, London; and at the works, Deptford, Kent.

UNION BROWN STONE POTTERY, CHEMICAL APPARATUS, and DRAIN-PIPE MANUFACTORY, 14, Vauxhall-walk, Lambeth. Patronised by Her Majesty's Commissioners of Woods and Forests, also by the Right Honourable and Honourable Commissioners of Sewers for Westminster.

WILLIAM NORTHEN, Inventor and Original Maker of Salt GLAZED BROWN STONE SOCKET DRAIN-PIPES, in every variety of shape, begs to call the attention of Architects, Surveyors, Contractors, and Others to the following list of prices:—

Straight Barrel Pipes, with Socket Joints, in 2-ft. Lengths.
4-inch, 6-inch, 9-inch, 12-inch Bore
6d. 8d. 1s. 1½d. 2s. 10d. per foot.

Bends and Junctions equally low.

N.B. Drain-pipes of my Manufacture may also be obtained of Messrs. CORBER, at their Lime Wharfs, Albion Wharf, Holland-street, Blackfriars; Millbank street, Westminster; Kingsland Basin, Kingsland road; and Limehouse, Limehouse.

JENNINGS'S PATENT INDIA-RUBBER TUBE COCKS can be had of any size, at prices, not exceed ing those made for the Pipe Cock.

For JENNINGS'S PATENT JOINTS WATER-CLOSET, and PATENT VALVES, a list of prices may be had by enclosing a stamp.

JENNINGS'S SHOP-SHUTTER SHOE and FASTNER can be had in malleable iron, at 4s. 6d. per shutter sent to the trade. A list of testimonials may be seen by applying at the manufactory No. 60, Great Charlotte-street, Blackfriars-road.

TO ARCHITECTS AND BUILDERS, VISITING JUSTICES, BOARDS OF GUARDIANS, &c.

A MAY begs to call their attention to his Improved DRYING CLOSET, by which (in this case, at a very moderate expense) he is enabled to dry in twelve minutes. He is prepared to give Plans and Estimates suitable for any size public Institution or private Dwellings. In private Dwellings these Closets can be heated by the ordinary kitchen fire.

A. M. has a superior arrangement for supplying Hot-water Baths, Wash-houses, Sinks, &c., which he can also recommend, by which he is enabled to avoid the general inconvenience of getting first a quantity of cold water from the hot-water pipes.

MANUFACTORY AT EAGLE-COURT, DEAN-STREET, HOLBORN.

UNDERHAY'S PATENT BALL VALVES, Manufactured by C. BUTTEN, Guildford-passage, Ray-street, Clerkenwell, where Drawings and Price Lists can be obtained. These valves can neither stick nor work hard: they keep open longer, and are cheaper than common cocks. The water way, which in the latter averages one-third, in them is equal to that of the pipe. They act under every variety of pressure, and, when required for confined situations, the balls can be made smaller and the rods shorter than usual.

RIM STOP, and other COCKS, and various improvements of equal importance are made on the same principle.

Pinderhay's Patent Hollow Spoon Valves are self-acting, cannot leak, and, besides being cheaper than the common ones, are more ornamental. Twenty thousand of the above valves have been sold within two years.

We beg to submit one of the many testimonials to our possession:—

London Works, near Birmingham.

DEAR SIR,—We have used many of your patent ball valves, and find that they answer their purpose exceedingly well, and are very certain to their action.—We are, yours obediently,
Mr. P. H. Underhay. FOX, HENDERSON, and Co.

Messrs. W. CURTIS and Co., of Grafton-lane, and Messrs. T. CURTIS and Co., Thames-bank (also many other eminent firms, who have used large quantities of them, will vouch for their being superior to any other article applicable to the same purpose.

FLEXIBLE INDIA-RUBBER PIPES AND TUBING, For Railway Companies, Brewers, Distillers, Fire Engines, Gas Companies, Gardening and Agricultural purposes, &c.

THE PATENT VULCANIZED INDIA-RUBBER HOSE-PIPES are made to stand hot liquor, and acids without injury—do not become hard or stiff in any temperature, but are always perfectly flexible and as they require no application of oil or dressing, are particularly well adapted for locomotive engines, railway cranes, fire engines, pumps, gas, beer suction carriers, and all purposes where a perfectly flexible pipe is required. Made all sizes, from ¼ inch bore upwards, and of any length to order. Vulcanized India rubber garden hose lined with hemp tape, copper branch and rose complete, ready to be attached to pumps, water butts, or cisterns. Sole manufacturer, JAMES LIVE HANCOCK, Gosport-terrace, Hornsey Road, London.

N.B. Vulcanized India rubber washers of all sizes for joints of hot water and steam pipes, and vulcanized sheet rubber any thickness for all kinds of joints and other purposes.

THE ARCHITECTS', CIVIL ENGINEERS', BUILDERS, and GENERAL FIRE and LIFE INSURANCE, ANNUITY, and REVERSIONARY INTEREST COMPANY.

NOTICE IS HEREBY GIVEN, that the Directors of this Company have made a FURTHER CALL of TEN SHILLINGS per share, on each and every share in this undertaking, and that the same is made payable on or before Tuesday, the 2nd day of May, at the Office in Leadenhall-street, No. 8, Commercial Mansion house, in the City of London, where receipts will be given for the same.

Interest at the rate of 5*l.* per cent. per annum will be charged on all sums remaining unpaid, in respect of this Call, after that date. Dated the 8th day of April 1851.—By order of the Board of Directors.

H. FELTON, Secretary.

ARCHITECTS', CIVIL ENGINEERS', BUILDERS, and GENERAL FIRE and LIFE INSURANCE COMPANY, 69, Lombard-street.

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Insurances against Fire on the usual terms. Life Assurances and Deferred Annuities at moderate rates.

Bonus.—Without the aid of a single advertisement, and that too, at a period of unparalleled commercial difficulty—viz., the close of the year 1847—12,500 shares, representing 250,000*l.*, or one-fourth of the intended capital of One Millions, were subscribed and paid for. A second series in a new form issued, a considerable portion of which have already been taken. In the investment of the remaining preference will be given to the building interest and parties likely to benefit the Institution.

Prospectuses, forms of application, and every particular may be had at the Office, 69, Lombard-street.

JOHN REDDISH, Manager.

CLERICAL, MEDICAL, and GENERAL LIFE ASSURANCE SOCIETY.

Extract from the Directors' Report

Presented at the Annual General Meeting, held at the Society's office, on Thursday, March 2nd, 1848.

Having, at the meeting held in January, 1847, presented to the Proprietors and Assured a very full account of the Society's affairs your Directors have but little to communicate on the present occasion.

It may, however, be satisfactory to those now assembled to learn that, notwithstanding the increased and active competition arising from the recently established of many new Life Assurance offices, the business of this Society still continues to advance.

In proof of this, it will be sufficient to state the following facts:—

I. In the number of policies granted on the lives of clergymen, a class of persons generally distinguished for longevity, has been greater during the year ending June 30th last the period comprehended in this report than in any one year since the commencement of the Society.

II. The Society's income, which was 116,000*l.* in the year ending June 30th, 1846, amounted to 128,000*l.* in the year ending June 30th, 1847.

III. The number of NEW POLICIES issued within the year has been 313, and the amount assured thereby 90,000*l.* Being an increase, both in the number of Policies and in the sum assured, over those of any preceding year.

In consideration the Directors are happy to inform the Proprietors, that the Society has not in any degree suffered from the great mortality which has prevailed of late throughout the kingdom, the claims both in the course of the year ending June 30, 1847, and also within the six months ending with December last, not exceeding the amount which, according to the Tables of Mortality, might be reasonably expected either in Number or Amount of Deceased Persons.

Tables of Rates and Forms of Proposal can be obtained of any of the Society's Agents, or by addressing a letter to

GEO. K. FINCH, A.R.S., Resident Secretary.

Office, No. 16, Great Russell-street, Bloomsbury, London.

PATENT ARCHITECTURAL ROOFING TILES, for cover on Churches, Colonnades, Villas, Railway Stations, &c. &c.—As ornamental and ornamental covering they are not only far superior to all other Tiles, but are preferable to slates, Shingles, and equally light. The Tiles are in Blue, Red, and Buff, and they are made in patterns adapted to every style of Architecture, the cost generally exceeding that of the ordinary Pantiles.

Prospectus and full particulars upon application to the Secretary, at the Company's offices, No. 15, Fore-street, or at the Depot, Essex Wharf.—Price 6*l.* 6*s.* per thousand, to from 10*s.* to 15*s.* per square, according to size and pattern.

PEAKE'S TERRO-METALLIC TILES, PIPES, &c., of at least 100 sorts and sizes. In addition to the number on purposes to which it is applied already, this Material may be moulded into a great variety of articles required either at home or abroad by the Nobility, Clergy, Gentry, Architects, Civil Engineers, and Builders; also by Ornate and Designers generally of Inland, Mines, Railways, Buildings, Gardens, and other property. See advertisement, with figures, in "The Builder" of the 22nd, 29th and 30th October and 13th November, 1847, also 1st January, 1848. Lists are ready, containing upwards of 100 sorts per number and sizes per square, per yard, per foot, &c.—Applicants would oblige by stating if they want the prices in shillings or as London.—Address 8, Wharf, Macclesfield-street South, City-road Basin.

WORCESTER ENCAUSTIC TILE WORKS.—The Proprietors, who are retiring from Business, are enabled to offer their STOCK of TILES at a very reduced rate. (Nearly) Thousands of the best descriptions, all of good colour, and "Seconds" at half the usual price. These Tiles are manufactured in exact imitation of the best ancient specimens, are more suitable for the restoration of ancient Churches and Buildings than any others of modern make; and the present opportunity affords Architects and others the means of adopting a very beautiful and durable material for Flooring at a very small cost. Specimens may be seen in London, at Messrs. GREIVE and GRELLIER'S Marble Wharf, Belvidere road, Waterloo-bridge; and in the country, at the Works, Palmer row, Worcester.

TO BRICK AND TILE MAKERS

THE AINSLIE BRICK and TILE MACHINE COMPANY (James Smith, Esq., of Dumbarton, Chairman) invite attention to their Improved Brick and Tile Machines, which are to be seen in work at Alperton, and at the Company's office, 16a, Piccadilly, from 11 a.m. to five p.m. Mr. Robert Stevenson, who has been appointed manager in the room of Mr. John Ainslie, will show the machines at the works at Alperton when in work, which is on the line of the Paddington section of the London and North-Western Railway; also at the Polytechnic Institution. Letters, &c., all communications to be addressed to Mr. WILLIAM GORDON, Secretary, at the office of the Company, London, 16a, Piccadilly.—March 1st, 1848. These machines may also be seen at Mr. Stark's, Leith walk, Edinburgh; Mr. Robert Boyle's, Ayr; Mr. Lawrence Hill's, 120 Buchanan-street, Glasgow; Mr. Robert Charles, Mill-hill, Leeds; Messrs. Penny and Peacock's, Peterborough; Messrs. Drummond and Sons's, Dublin; and Mr. John Connor, Newton Limavady, County Derry.

MOSER and Co. respectfully inform the Nobility and Gentry, their House having expired, they intend REMOVING TO FREWEN'S NEXT DOOR, in consequence of which they are compelled to SELL at a GREAT REDUCTION on its original cost, a large portion of their IMMENSE STOCK, consisting of beautifully registered Marble Chimney Pieces, in the Louis XIV. and Elizabethan styles, Bronzes, Candelabra, and Fire Dogs, of beautiful designs; Stoves of every description, allowed by competent judges to be the best and largest assortment of the kind in England.—May now be viewed.—The business carried on precisely as usual.—No. 31 and 32, Pritchard-street, Soho-square.